



# 2001 Toxics Release Inventory

## PENNSYLVANIA

### Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	119,303,278
Air Emissions	89,034,059
Surface Water Discharges	18,741,435
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	339,536
Other On-site Land Releases	11,188,248
Off-site Releases (Transfers Off-site to Disposal)*	88,180,766
<b>Total On- and Off-site Releases</b>	<b>207,484,044</b>
Recycled On-site	477,399,211
Recycled Off-site	158,199,932
Energy Recovery On-site	131,904,573
Energy Recovery Off-site	17,269,580
Treated On-site	197,111,878
Treated Off-site**	22,515,192
Quantity Released On- and Off-site***	185,454,422
<b>Total Production-related Waste Managed</b>	<b>1,189,854,789</b>
<b>Non-production-related Waste Managed</b>	<b>1,116,636</b>
<b>Transfers Off-site for Further Waste Management, including Disposal</b>	
Recycling	154,702,943
Energy Recovery	17,241,863
Treatment	14,364,889
Publicly Owned Treatment Works (POTWs)	7,451,970
Metals and Metal Category Compounds*	70,521
Non-metal TRI Chemicals**	7,381,449
Other Off-site Transfers****	2,186
Transfers Off-site to Disposal (not including metals to POTWs)	89,713,380
<b>Total Transfers Off-site for Further Waste Management, including Disposal</b>	<b>283,477,232</b>

\* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

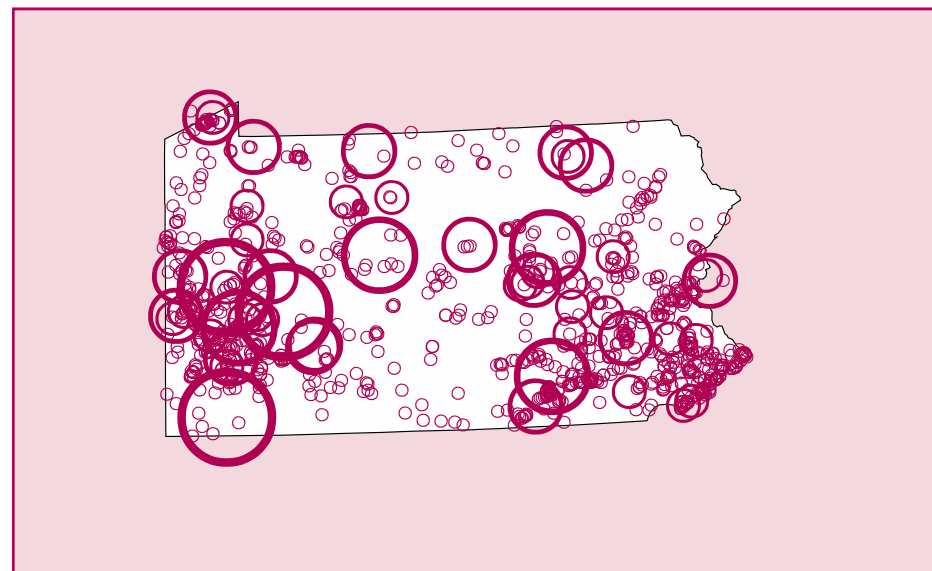
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To obtain TRI data use  
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Support Service (TRI-US):  
(202) 566-0250  
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Pennsylvania. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

#### State/TRI Data

Population	12,303,104
Square Miles	44,820
Total Facilities	1,436
Total Forms	5,308
Form As	669

	Total
<b>National Rank for Total On- and Off-site Releases*</b>	
Rank	7
Pounds	207,484,044
<b>National Rank for Total On-site Releases**</b>	
Rank	12
Pounds	119,303,278
<b>National Rank for Total Releases within State***</b>	
Rank	7
Pounds	196,713,752
<b>National Rank for Production-related Waste Managed</b>	
Rank	5
Pounds	1,189,854,789

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2001 Toxics Release Inventory

## PENNSYLVANIA

### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	47,964,092	250	0	5	2,862	47,967,209	0	0	2,862
—	Zinc compounds	1,294,230	47,185	0	1,331,395	33,136,033	35,808,843	8,358,435	31,754,171	1,381,862
7439-96-5	Manganese	22,517	6,321	0	13,523	24,513,872	24,556,233	1,046	828,884	23,684,988
—	Nitrate compounds	654	18,125,538	0	9,130	175,513	18,310,835	35,152	126,657	48,856
7664-93-9	Sulfuric acid	10,381,162	0	0	5	0	10,381,167	0	0	0

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	66,758.02	5,172.82	0.00	1,136,105.35	3,279,754.46	4,487,790.65	3,939,351.75	2,578,635.27	1,547,232.92
7439-92-1	Lead	20,616.38	1,145.34	0.00	8,309.99	269,483.19	299,554.91	50,921.67	132,785.48	137,302.87
—	Polycyclic aromatic compounds	40,913.57	143.29	0.00	5,145.33	31,972.56	78,174.74	1,938.65	8,120.01	23,852.55
—	Mercury compounds	8,621.98	67.20	0.00	5,554.69	16,865.40	31,109.27	510.81	4,317.45	12,637.73
191-24-2	Benzo(g,h,i)perylene	2,240.70	0.20	0.00	2.60	1,080.43	3,323.92	174.64	423.75	656.68
7439-97-6	Mercury	466.96	0.10	0.00	0.30	708.14	1,175.50	452.83	274.43	433.71
118-74-1	Hexachlorobenzene	245.00	0.00	0.00	0.00	156.00	401.00	492.00	76.00	80.00
1336-36-3	Polychlorinated biphenyls (PCBs)	17.32	0.00	0.00	0.00	171.63	188.95	0.00	76.00	95.63
79-94-7	Tetrabromobisphenol A	24.00	0.00	0.00	0.00	0.00	24.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.45	0.00	0.00	0.01	0.37	0.84	0.07	0.14	0.23
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>205.462</i>	<i>0.951</i>	<i>0.000</i>	<i>5.056</i>	<i>168.754</i>	<i>380.223</i>	<i>33.821</i>	<i>65.181</i>	<i>103.573</i>
8001-35-2	Toxaphene	0.10	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
57-74-9	Chlordane	0.00	0.00	0.00	0.00	0.00	0.00	39.00	0.00	0.00
76-44-8	Heptachlor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72-43-5	Methoxychlor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\*\* No reports were submitted for these chemicals.

\*\* The chemical ranking is based on the amounts in this column.



# 2001 Toxics Release Inventory

## PENNSYLVANIA

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Reliant Energies Inc. Keystone Power Plant, Shelocta, Armstrong	17,332,975	19,673	0	0	0	849,465	18,202,113	0	0
AK Steel Corp. Butler Works (Rte. 8 S.), Butler, Butler	126,035	8,442,554	0	0	0	2,373,297	10,941,887	26,879	66,065
Allegheny Energy Inc. Hatfield Power Station, Masontown, Greene	8,702,550	367	0	0	0	810,100	9,513,017	0	0
Montour Steam Electric Station, Danville, Montour	5,269,259	0	0	0	0	104,066	5,373,325	0	0
Cheswick Power Plant, Cheswick, Allegheny	3,751,719	779	0	0	0	5	3,752,503	439,873	0
Brunner Island Steam Electric Station, York Haven, York	3,444,363	0	0	0	18,840	0	3,463,203	0	18,840
Reliant Energies Inc. Shawville Station, Shawville, Clearfield	2,872,079	2,912	0	0	9,485	339,769	3,224,245	0	0
Reliant Energies Inc. Conemaugh Power Plant, New Florence, Indiana	1,414,703	17,344	0	0	0	1,199,860	2,631,906	0	0
Allegheny Energy Inc. Armstrong Power Station, Kittanning, Armstrong	2,444,979	427	0	0	0	180,068	2,625,474	0	0
Taylor Packing Co. Inc., Wyalusing, Bradford	0	2,421,856	0	0	0	144	2,422,000	0	0

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Max Environmental Yukon Facility, Yukon, Westmoreland	760.00	3.30	0.00	0.00	215,600.00	635,300.00	851,663.30	14,900.00	0.00
PBS Coals Shade Creek Preparation Plant, Central City, Somerset	9.65	0.05	0.00	0.00	0.00	51,130.00	51,139.70	0.00	0.00
Reliant Energies Inc. Keystone Power Plant, Shelocta, Armstrong	2,550.20	18.20	0.00	0.00	0.00	32,250.00	34,818.40	0.00	0.00
Reliant Energies Inc. Conemaugh Power Plant, New Florence, Indiana	1,012.50	43.50	0.00	0.00	0.00	32,554.60	33,610.60	0.00	0.00
WPS Westwood Generation L.L.C., Tremont, Schuylkill	168.60	0.00	0.00	0.00	0.00	21,090.10	21,258.70	0.00	0.00
Allegheny Energy Inc. Hatfield Power Station, Masontown, Greene	2,212.00	0.00	0.00	0.00	0.00	18,100.00	20,312.00	0.00	0.00
Brunner Island Steam Electric Station, York Haven, York	1,188.01	0.00	0.00	0.00	18,840.00	0.00	20,028.01	0.00	18,840.00
Northeastern Power Co., Mc Adoo, Schuylkill	25.00	0.00	0.00	0.00	0.00	18,665.00	18,690.00	0.00	0.00
New Castle Power Plant, West Pittsburg, Lawrence	382.10	2.69	0.00	0.00	0.00	14,878.00	15,262.79	0.00	0.00
U.S. Army Letterkenny Army Depot, Chambersburg, Franklin	0.00	0.00	0.00	0.00	0.00	12,064.00	12,064.00	0.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2001 Toxics Release Inventory

## PENNSYLVANIA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Zinc Corp. of America Monaca Smelter, Monaca, Beaver	0	0	0	0	0	0	27,538,394	27,538,394	0
Reliant Energies Inc. Keystone Power Plant, Shelocta, Armstrong	0	0	0	0	3,405,000	0	18,193,118	21,598,118	0
AK Steel Corp. Butler Works (Rte. 8 S.), Butler, Butler	0	5,852,022	0	0	20,636,000	1,470	11,020,219	37,509,711	0
Allegheny Energy Inc. Hatfield Power Station, Masontown, Greene	0	0	0	0	0	0	9,500,780	9,500,780	0
USS Mon Valley Works Edgar Thomson Plant, Braddock, Allegheny	628,771	42,692	0	0	0	0	5,540,904	6,212,367	0
Bruce Mansfield, Shippingport, Beaver	0	0	0	0	12,831,100	0	5,536,625	18,367,725	0
Montour Steam Electric Station, Danville, Montour	0	600	0	0	0	0	5,372,976	5,373,576	0
Cheswick Power Plant, Cheswick, Allegheny	0	0	0	0	300,058	0	4,191,677	4,491,735	0
Brunner Island Steam Electric Station, York Haven, York	0	794	0	0	0	18,840	3,463,173	3,482,807	0
Reliant Energies Inc. Shawville Station, Shawville, Clearfield	0	95	0	0	855,000	0	3,222,115	4,077,210	0

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Exide Corp. Reading Smelter Div., Reading, Berks	12,859,774.00	0.00	0.00	0.00	0.00	0.00	1,181,143.00	14,040,917.00	0.00
Zinc Corp. of America, Palmerton, Carbon	25.00	0.00	0.00	0.00	0.00	0.00	890,000.00	890,025.00	0.00
Max Environmental Yukon Facility, Yukon, Westmoreland	0.00	0.00	0.00	0.00	0.00	0.00	865,800.00	865,800.00	0.00
Zinc Corp. of America Monaca Smelter, Monaca, Beaver	0.00	0.00	0.00	0.00	0.00	0.00	399,067.00	399,067.00	0.00
Corning Asahi Video Prods. Co., State College, Centre	18,393,890.00	0.00	0.00	0.00	0.00	0.00	338,212.00	18,732,102.00	0.00
Envirite of Pennsylvania Inc., York, York	0.00	140.00	0.00	0.00	0.00	0.00	140,020.00	140,160.00	0.00
East Penn Mfg. Co. Inc., Lyon Station, Berks	149,172.00	12.00	0.00	0.00	0.00	0.00	131,109.00	280,293.00	0.00
Schott Glass Techs. Inc., Duryea, Luzerne	19,000.00	0.00	0.00	0.00	0.00	0.00	130,000.00	149,000.00	0.00
Ferro Glass & Color Corp., Washington, Washington	0.00	0.00	0.00	0.00	0.00	0.00	120,000.00	120,000.00	0.00
GE Co. Bridgeville Glass Plant, Bridgeville, Allegheny	70,294.00	0.00	0.00	0.00	0.00	0.00	98,132.00	168,426.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.